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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 3

**Complete If Known**

Application Number	10/771,152
Filing Date	February 4, 2004
First Named Inventor	Ravi B. Gopal
Art Unit	2857
Examiner Name	
Attorney Docket Number	9351-382

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
SB	1	US- 3,678,770	07-11-1972	Sharaf et al.	
	2	US- 3,753,094	08-14-1973	Furuishi et al.	
	3	US- 4,071,819	01-31-1978	De Santis	
	4	US- 4,318,185	02-18-1982	Watrous et al.	
	5	US- 4,352,067	09-28-1982	Ottone	
	6	US- 4,484,140	11-20-1984	Dieu	
	7	US- 4,697,134	09-29-1987	Burkum et al.	
	8	US- 4,743,855	05-10-1988 988	Randin et al.	
	9	US- 4,972,181	11-20-1990	Fiene	
	10	US- 5,047,722	09-10-1991	Wurst et al.	
	11	US- 5,170,124	12-08-1992	Blair et al.	
	12	US- 5,281,920	01-25-1993 11	Wurst	
	13	US- 5,416,416	05-18-1995	Bisher	
	14	US- 5,608,307	03-04-1997	Garrett et al.	
	15	US- 5,670,881	09-23-1997	Nor	
	16	US- 5,712,568	01-27-1998	Flohr et al.	
	17	US- 5,773,978	06-30-1998	Becker	
	18	US- 5,914,608	08-22-1999	Becker-Irvin	
	19	US- 5,923,148	07-13-1999	Sideris et al.	
	20	US- 6,002,238	12-14-1999	Champlin	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
SB	21	JP01160367	08-23-1989	Toshiba Electric Equip Corp.	
	22	JP2000092732	03-31-2000	Denso Corp.	
	23	JP359215674	12-05-1984	Sanyo Electric Co Ltd	
	24	WO 99/18448	04-15-1999	Guardian Link Limited	
	25	WO 00/31557	08-02-2000	Korea Kumho Petrochemical Co., Ltd.	
	26	WO 01/09631	02-08-2001	Elliott Industries Ltd.	
	27	WO 01/14898	03-01-2001	Plug Power, Inc.	
	28	WO 02/03088	01-10-2002	Ballard Power Systems Inc.	
	29	WO 02/27342	04-04-2002	Hydrogenics Corporation	

Examiner Signature		Date Considered	06/06/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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